June 13, 1933. M. CULMORE 1,913,536

ICE TRAY

Filed Jan. 12, 1932

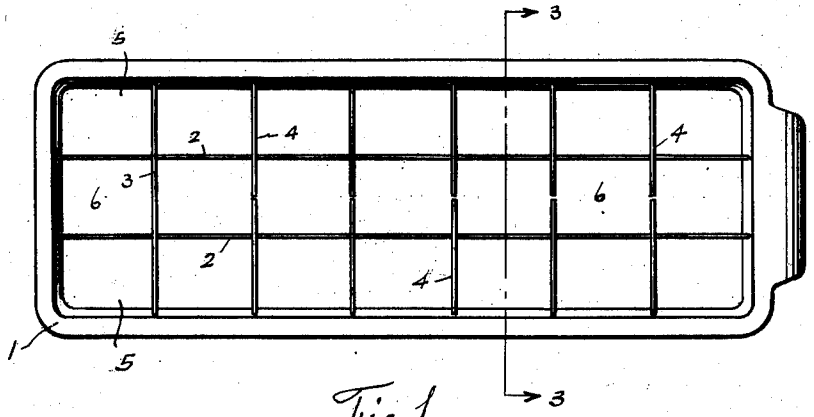


Fig. 1.

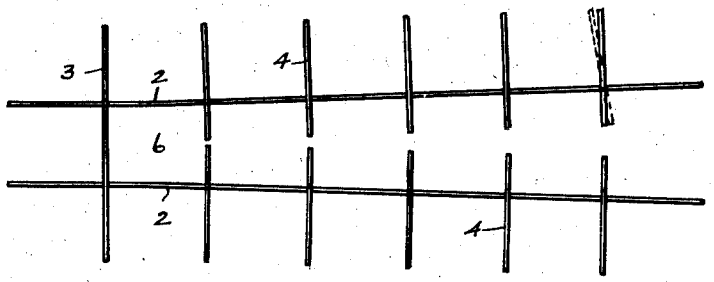


Fig. 2.

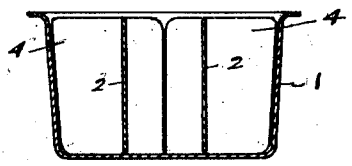


Fig. 3.

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UNITED STATES PATENT OFFICE

MARCH CULMORE, OF HOUSTON, TEXAS

ICE TRAY

Application filed January 12, 1932. Serial No. 586,094.

This invention relates to an ice tray.

An object of the invention is to provide an ice tray formed with series of compartments wherein the ice is frozen in individual units usually substantially cube like in form, the tray embodying a novel construction whereby the units of ice may be readily released and removed.

Another object of the invention is to provide an ice tray comprising a pan and removable partitions therein forming separate compartments wherein units of ice may be frozen, and having some of the partitions of the intermediate compartments separated whereby, upon removal of the partitions from the pan, said intermediate compartments may be enlarged to permit the release of the units or cubes of ice therefrom.

As at present constructed when the cubes or units of ice are frozen in ice trays now commonly used in refrigerators, it is difficult to remove the ice from between the partitions and the type of tray herein described has been designed to provide for the easy removal of ice from the trays.

With the above and other objects in view, this invention has particular relation to certain novel features of construction, arrangement of parts and use, an example of which is given in this specification and illustrated in the accompanying drawing, wherein:

Figure 1 shows a plan view of the tray.

Figure 2 shows a plan view of the partition arrangement, and

Figure 3 shows a cross sectional view taken on the line 3—3 of Figure 1.

In the drawing the numeral 1 designates the pan for containing the water to be frozen and which, in use, is inserted into the coil of the refrigerator where the water in the pan is frozen. In the pan is the partition assembly which, in the present instance, is illustrated as having the lengthwise partitions 2, 2 extending from end to end of the pan and the cross partitions 3, 4. These cross partitions extend from side to side of the pan and the partitions form within the pan the series of side compartments 5 and intermediate compartments 6. The partitions 4 are separated between the lengthwise partitions 2 as shown.

When the water is frozen into ice in the compartments the partition assembly with the cubes of ice therein may be lifted out. The outer ends of the partitions 4 are of sufficient flexibility to permit sufficient movement to release the cubes of ice between them so that said cubes may be readily removed from the partition assembly and the partitions 2, 2 may be sprung apart, as shown in Figure 2, to permit the release of the ice cubes from the intermediate compartments 6. Otherwise the cubes from said intermediate compartments can only be removed with difficulty.

The drawing and description disclose what is now considered to be a preferred form of the invention by way of illustration only, while the broad principle of the invention will be defined by the appended claim.

What I claim is:

An ice tray comprising a container, a removable partition assembly therein formed of lengthwise and transverse partitions composed of single ply flexible strips of metal anchored together and forming outer and intermediate series of ice compartments, one of said transverse partitions being continuous and other of said transverse partitions being divided between said lengthwise partitions, forming sections, said sections being flexibly anchored to their corresponding lengthwise partitions.

In testimony whereof I have signed my name to this specification.

MARCH CULMORE.